SHARP SERVICE MANUAL

No. S47G3LC37D42U

SUPPLEMENT

LCD COLOR TELEVISION

LC-37D42U
LC-37D43U
MODELS LC-C3742U

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

OUTLINE

In this Service Manual, only parts in the LCD module are shown. For the other points, refer to the LC-37D42U/LC-37D43U/LC-C3742U (S06X9LC32D42U/SX6Y9LC37D43U/SX6Y7LCC3742U) Service Manual.
New panel modules are incorporated in LC-37D42U/LC-37D43U/LC-C3742U with the Serial No. "****51112~".

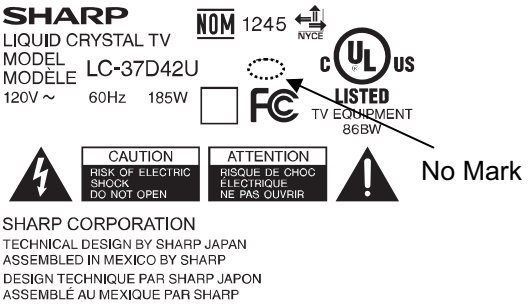
How to distinguish the model labels of new and old panel modules.

As to the new panel module, the mark A is printed on the model label.

Old panel module

No A mark on the right side of the model name

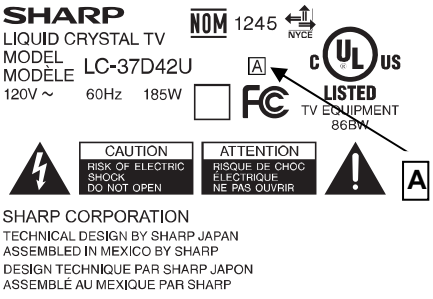
Example



New panel module

A mark on the right side of the model name

Example



Parts marked with " ⚠ " are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

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The contents are subject to change without notice.

OUTLINE AND ADJUSTMENT

[1] Outline

In this Service Manual, only parts in the LCD module are shown. For the other points, refer to the LC-37D42U/LC-37D43U/LC-C3742U (S06X9LC32D42U/SX6Y9LC37D43U/SX6Y7LCC3742U) Service Manual.

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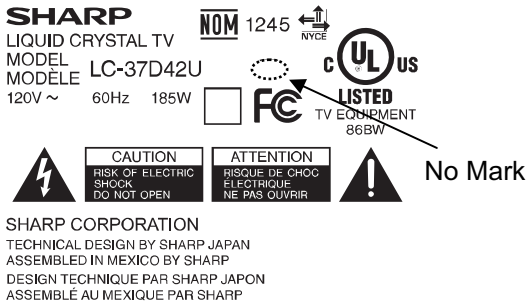
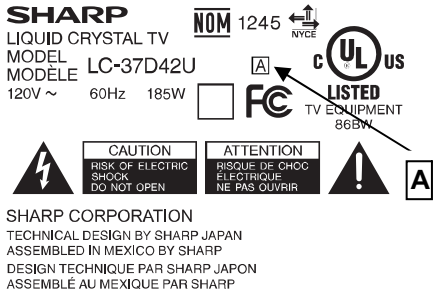


New panel module

A mark on the right side of the model name

Example



[2] Adjustment

When replacing the LCD control PCB, follow these steps to adjust VCOM.

1) Remove the wire from the LCD control PCB CN3.
2) Connect a wire of the VCOM adjustment jig (electronic volume adjustment BOX) to CN3 (see Fig. 1).
3) Turn on the TV set.
4) Turn on the jig (connect to the AC).
5) Enter the process mode to display the item “LCD TEST PATTERN OFF” (see Fig. 2).
6) Press the volume up key once to display a flicker pattern.
7) Press the jig's UP/DOWN switch while looking at the screen to adjust the point so that the flicker is minimized (see Fig. 3).
8) After completing adjustment, press the WRITE switch and make sure the lamp of the WRITE button goes out. (Writing is complete when the lamp goes out.)
9) Turn off the jig (turn the AC off).
10) Turn off the TV set.
11) Remove the jig’s wire connected to CN3.
12) Reconnect the wire of the set to CN3.

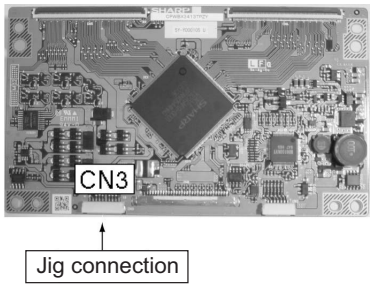


Fig. 1 Jig connecting location

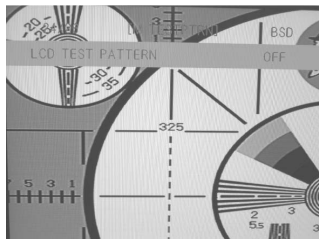


Fig. 2 Test pattern selection screen

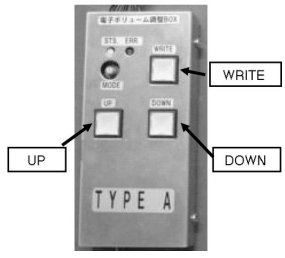


Fig. 3 VCOM adjustment jig (RUNTZA059WJZZ)

SHARP PARTS GUIDE

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CONTENTS

[1] LCD MODULE Assembly

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

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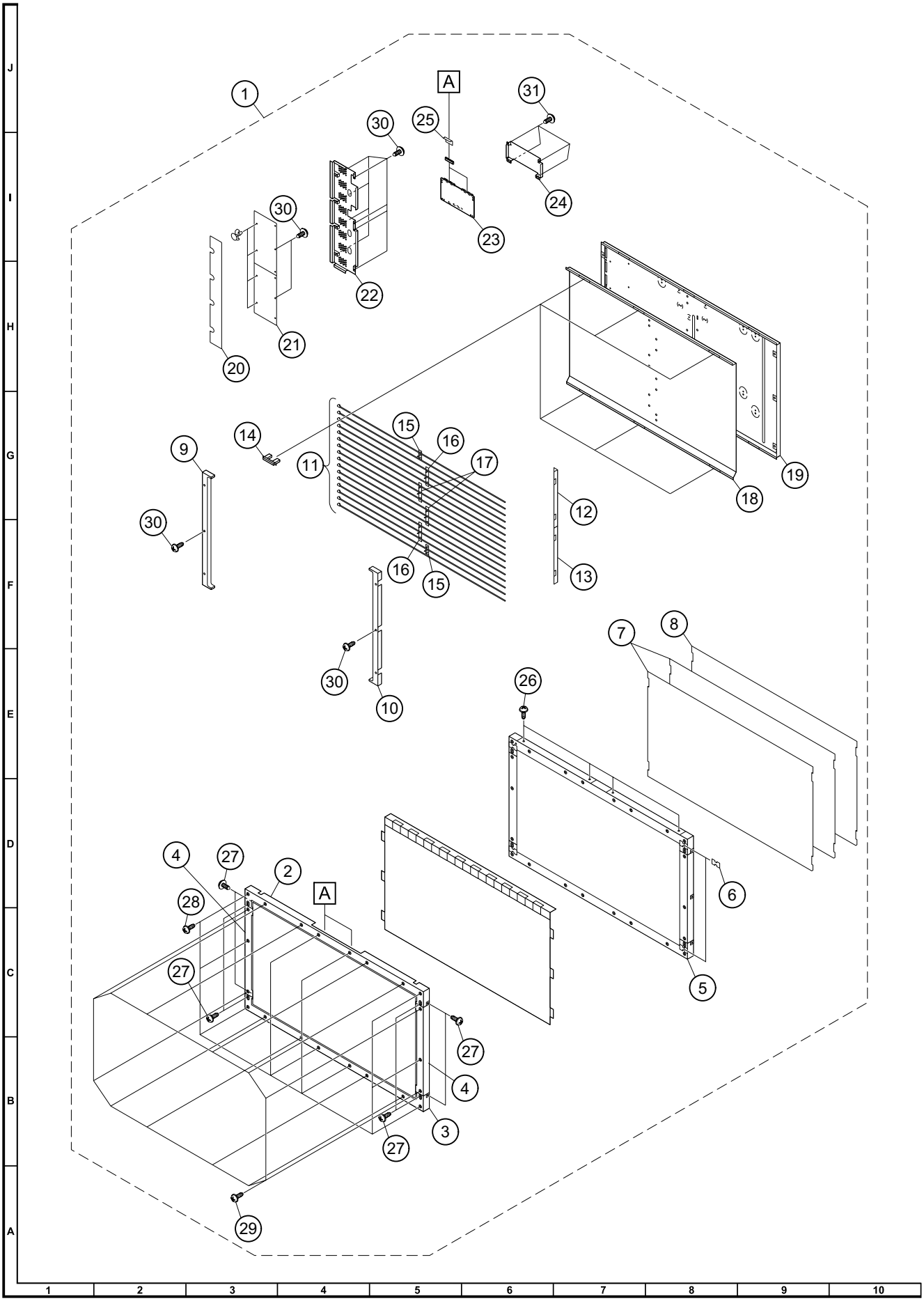
[1] LCD MODULE Assembly



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[1] LCD MODULE Assembly					
1	R1LK370T3LZ6CZ	EZ	N	J	LCD Module Ass'y
2	CANGTA274WJ01	AX	N	J	Vessel (Top)
3	CANGTA277WJ01	AW	N	J	Vessel (Bottom)
4	CANGTA275WJ01	AN	N	J	Vessel (L, R), x2
5	CHLDZA701WJ01	BD	N	J	Panel Holder Ass'y
6	CHLDZA711WJ01	AD	N	J	Spacer Ass'y, x2
7	PSLDK2674TPGZ		N	J	Reflection Sheet, x2
8	PSLDK2677TPGZ		N	J	Diffusion Panel
9	CHLDZ3412TP01		N	J	Lamp Holder-L
10	CHLDZ3413TP01		N	J	Lamp Holder-R
11	CLMPCA003WJ02		N	J	Lamp Unit, x8
12	LHLDZ3414TPZZ		N	J	Lamp Holder (Bottom-A)
13	LHLDZ3415TPZZ		N	J	Lamp Holder (Bottom-B)
14	LHLDZA709WJKZ	AC		J	Sheet Holder, x6
15	LHLDZ3410TPZZ		N	J	Lamp clip A, x2
16	LHLDZ3411TPZZ		N	J	Lamp clip B, x2
17	LHLDZ3614TPZZ		N	J	Lamp clip C, x2
18	PREFL2390TPZZ		N	J	Reflection Mirror
19	CANGK3715TP01		N	J	Chassis
20	PZETE3991TPZZ		N	J	Insulation Sheet
21	RDENC2300TPZA		N	J	INVERTER Unit
22	LANGK3716TPZZ		N	J	Shield Plate (for Inverter)
23	CPWBX3547TPZB	BR	N	J	LCD CONTROL Unit
24	PSLDMA893WJFW	AK	N	J	Shield Plate (for LCD CONTROL Unit)
25	QPWBMD670WJGZ		N	J	CS-FPC1, x2
26	LX-LZA101WJZZ	AC		J	Clip, x4
27	LX-BZ2102TPZZ	AB	N	J	Screw, x8
28	XEPS930P10000	AA		J	Screw, x10
29	XBPSN30P14000	AA		J	Screw, x12
30	XBPS730P06WS0	AA		J	Screw, x12
31	XBPS730P06000	AA		J	Screw, x4

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SHARP CORPORATION
AV Systems Group
CS Promotion Center
Yaita,Tochigi 329-2193, Japan

TQ2187-S YT. DS